

---

**In the Abstract** (clean copy as amended)

Abstract

D<sup>24</sup> Integrin-immunoglobulin chimeric protein heterodimer complexes in which the  $\alpha$  chain and the  $\beta$  chain of an integrin are stably associated that can be directly used as medicines and diagnostic reagents, and can also be used for determining the binding between an integrin and a ligand, and searching for a substance capable of being bound to an integrin and a substance inhibiting the binding between an integrin and a ligand; an integrin isolated with a stably associated structure can be bound to an extracellular matrix under physiological conditions and in the presence of plasma components and thus can be applied as a platelet substitute.

---